Digital Wireless DVR
User Manual

I. Product Brief:

You are appreciated for your choice of this product. Please read this manual carefully before use. This subminiature digital wireless receiver and video recorder has high definition and receiving capability of high performance. With H.264 video compression technology, it is featured for low power consumption and easy operation. It supports motion detection, manual recording and 32GB SD max. You can monitor the real-time image on a TV set or a monitor at any time or replay the video file stored in your SD with your computer. This DVR is extensively applicable to stores, offices, families, villas, and etc.

II. Configuration:

- Digital wireless DVR----------1 pc;
- Digital wireless camera ----------1 pc (1-4 pc optional);
- 12V/1A power supply ----------2 pc (optional per camera);
- 2.4G aerial ----------2 pc (optional per camera);
- Holder ----------1 pc (optional per camera);
- AV cable ----------1 pc (optional per camera);
- User Manual ----------1 pc

III. Features:

- 2.4G digital wireless receiver, simultaneously receiving four-way digital wireless camera signals;
- Four-split/single view optional display;
- Support simultaneous four-way recording;
- Support 32GB SD max;
- Automatic loop coverage storage;
- Image file replay with record time and date;
- Support motion detection and manual recording;
- Support NTSC/PAL video output systems;
- Daytime true-color/night black/white display;
- No SD stored file lost upon power failure;
- Automatic time memory upon power failure;
- Support multi-language display menu;
- Image file search and deletion via record date;
- Support TV/monitor/computer image replay;
- Wireless transmission distance: open 200m+;

IV. Parameters:

	Wireless DVR	Wireless Camera
Work Voltage	DC12V	DC12V
Work Current	≤300mA	≤500mA
Work Temperature	-10C+60C	-10C+60C

Transmission Power	17dBm	17dBm
Receiving Sensitivity	-90dBm	-90dBm
Work Frequency Range	2402~2483MHz	2402~2483MHz
Support SD card	2G~32G	N/A
Video Compression Format	H.264	H.264
Resolution Ratio	VGA	VGA
Lens	N/A	6MM
Low Luminance	N/A	0.1 Lux
Size (L*W*H)	142mm*98mm*26mm	146mm*83mm*72mm

V. Functional Keys:

1) "MENU": for setting;
2) "REC": for manual execution to start and end recording, and to select playing mode during replay process;
3) "ESC": to exit a setting;
4) "QUAD": for four-split view display shift and to move left during menu setup;
5) "CH": for channel shift and to move right during menu setup;
6) "OK": for function setting confirmation and one-key replay;
7) "VOL-": for volume down and to move downward during menu setup;
8) "VOL+": for volume up and to move upward during menu setup;
9) "POWER": power supply input interface;
10) "VIDEO": video output interface;
11) "AUDIO": audio output interface;
12) "ANT": 2.4Gaerial interface;
13) "ON/OFF": power on/off switch;
14) "Power LED": power supply indicator (light on upon power on);
15) "Indicating LED": signal indicator (slow twinkling upon camera on; fast twinkling upon camera register);
16) "SD CARD": SD card insertion interface ("NO SD Card" indication upon no SD card inserted or abnormal card work).

VI. Menu Settings:

6.1 **Settings**

Brightness: brightness setting. Select it and press "OK" to confirm to enter brightness adjustment interface. Press "VOL+－" to adjust brightness and then press "OK" to save settings and exit.

Motion detection: Motion detection function setting. Select it and automatically turn recording function on if the system detects significant image variations. The choice option "Off" is for turning this function off; its default setting is OFF. You can manually turn it on if you need the function. LOW/ MEDIUM/ HIGH is for setting the sensitivity of motion detection. Select any one of them to turn the function on.

Date and Time: time setting. Select it and press "OK" to enter time adjusting interface, where

selectable options are hour/minute/year/month/day. Highlighted up and down arrows are current available options. “VOL+” and “VOL-” for adjusting the value of the current option. Press “CH” to enter the next adjustable option, e.g., if the current adjustable option is “hour”, press “CH” to adjust “minute”; press “QUAD” to return to the previous adjustable option, e.g. the current adjustable option is “month”, then press “QUAD” to adjust “year”; then press “OK” to save the settings, or press “ESC” to exit.

N/P Standard: for NTSC/PAL video output system shift; press “VOL+” and “VOL-” to make your selection and then press “OK” to save and exit.

Language: language setting; English/France/German/Italian/Spanish, press “VOL+” and “VOL-” key to select and then press “OK” and exit.

System information: system information. Press “OK” to enter this option to show the ID/version/SD card content of your DVR.

6.2 **Momery card**

Folder: Select to enter SD card folder, “VOL+” and “VOL-” to shift to the file you want to display, and then press “OK” to replay. During the replay, press “REC” to automatically replay. During replay, press “ESC” or “OK” to exit the file. To select a file name, press “REC” and the system will prompt to ask for the deletion of this file. Select “YES” to delete or press “ON” to return. Note: deleted record files cannot be recovered.

Sd unmount: For umounting an SD card. Before you take out your card /power off/shut down, select this option first to unload your SD card.

Sd format: For formatting your SD card, select this option and then press “CH” to shift to “YES” or “NO”. Select “YES” and then press “OK” to format your SD card. Select “NO” and then press “OK” to exit.

6.3 **Camera**

Auto scan: Turn this on, then the monitor view shifts as scheduled among registered channels in single channel view mode. Select “Never” to shut this function downj; Select 10s/20s/30s/60s to turn on automatic shift as per the time you selected. Press “VOL+” and “VOL-” to shift among options, then press “OK” to confirm and exit.

Register camera: for registering camera(s). Press “VOL+” and/or “VOL-” to shift to a channel and then press “OK” to confirm and enter the interface. The dialog box will prompt “Register camera N?”. Press “CH” to shift to “YES” and press “OK” to wait for register. Then, press the coding key on the camera end to realize pair register between the camera and this product. During the registration, “Indicating LED” keeps twinkling. When the current selected channel is registered, the icon on the right will be in locked status and the abovementioned operation is to unregister the camera of the current channel. The dialog box prompt “unRegister camera N?”. After the unregistration is completed, the current channel is vacant and you can register a new camera to the current channel.

Anti-flicker: for solving the blinking of fluorescent lamps. For PAL system, select “50Hz”; for NTSC system, select “60Hz” and the press “OK” to confirm and exit.

6.4 **Monitor**

Select the option to enter camera monitor mode.

Precaution:

1. Format an SD card first for use, which you use with this DVR for the first time.

2. We recommend you to use 2GB+ CLASS 6 SD cards. This DVR support 32GB SDcard at most.

3. This DVR does not support SD card for hot plugging.

4. Before you power off the DVR, unmount the SD card first.

5. During reading SD card (replaying or recording), SD card plugging is forbidden.

6. For long-term use of recording function, we recommend to format or disk recover your SD card as scheduled to maintain long-term reading/writing stability.

7. Upon manual recording, one video file is separately saved for every 15 minutes.

8. When motion detection is on, the system will automatically record 15 seconds upon any image variation detected. If any image variation shows in this 15 seconds, the system will go on to record for the following 15 seconds (one video file will be saved for 15 minutes) … and so on. This status will keep on till no image variation shows within 15 continuous seconds and the motion detection recording automatically stops.